

In the Claims:

1. (Currently Amended) A radio base station apparatus, comprising a mobile communication radio base station to transmit and receive communication to/from a plurality mobile units located in different sectors, said mobile communication radio base station having a diversity reception and transmission function, said radio base station comprising a plurality of radio units, each of said plurality of radio units comprising a first receiving unit and a first transmitting unit for in-one sector connected to a first transmitting and receiving (T/R) antenna for said one sector and comprising a second receiving unit and a second transmitting unit for said one sector connected to a second T/R antenna, ~~which is connected to an antenna in for~~ another sector.

2. (Currently Amended) A radio base station apparatus according to Claim 1, wherein said mobile communication radio base station further comprises:

a control unit for detecting fault information of said plurality of radio units; and

a baseband signal processing unit for specifying the radio unit which is damaged, based on a signal from said control unit, and for stopping or invalidating receiving a transmitting a received signal from the receiving unit in said damaged radio unit.

3. -6. (Cancelled)

7. (Currently Amended) A radio base station apparatus according to Claim 1 ~~Claim 5~~, further comprising a plurality of the baseband signal processing units.

8. (Currently Amended) A method for preventing a radio function from being interrupted when a communication fault is caused in a mobile communication radio base station having a plurality of sectors and a diversity reception and transmission function, said method comprising the steps of:

providing a first receiving unit and a first transmitting unit for one sector;

connecting the first receiving unit and the first transmitting unit to a first transmitting and receiving (T/R) antenna for said one sector;

providing a second receiving unit and a second transmitting unit for said one sector;

connecting said second receiving unit and said second transmitting unit to a second T/R antenna for another sector;

detecting a fault signal from a functional unit for covering said one sector of a plurality of sectors, said functional unit including at least one of said first and second receiving units;

transmitting a fault notifying signal to a baseband signal processing unit based on the detected fault signal; and

invalidating an output signal from one of said first and second receiving units which caused said fault a receiving unit in said functional unit in which the fault is caused based on said fault notifying signal.

9. (Currently Amended) A method for preventing a radio function from being interrupted when a communication fault is caused in a mobile communication radio base station having a plurality of sectors and diversity reception and transmission function, said method comprising the steps of:

providing a first receiving unit and a first transmitting unit for one sector;

connecting the first receiving unit and the first transmitting unit to a first transmitting and receiving (T/R) antenna for said one sector;

providing a second receiving unit and a second transmitting unit for said one sector;

connecting said second receiving unit and said second transmitting unit to a second T/R antenna for another sector;

detecting a fault signal from a multicarrier-type functional unit ~~for covering~~ said one sector of a plurality of sectors said functional unit including at least one of said first and second receiving units;

transmitting a fault notifying signal to a baseband signal processing unit based on said detected fault signal; and

invalidating an output signal from one of said first and second receiving units which caused said fault ~~a receiving unit in a functional unit in which the fault is caused~~, based on said fault notifying signal.

10.-17. (Cancelled)